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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/764,771

01/26/2004

Marcus F. Fontoura

SVL920030116US1

9736

47069

7590

10/11/2006

KONRAD RAYNES & VICTOR, LLP

ATTN: IBM54

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BEVERLY HILLS, CA 90212

EXAMINER

ALI, MOHAMMAD

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 10/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	<b>Application No.</b> 10/764,771	<b>Applicant(s)</b> FONTOURA ET AL.	
	<b>Examiner</b> Mohammad Ali	<b>Art Unit</b> 2166	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Mohammad Ali. (3) \_\_\_\_.
- (2) Janaki K. Davda (RN: 40,684). (4) \_\_\_\_.

Date of Interview: 04 October 2006.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1.

Identification of prior art discussed: Lim.

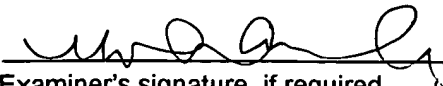
Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative explained the invention and prior art. 101 issues had discussed and by proposed amendment the issues might overcome. After receiving the amendment further search will be conducted and another office action will follow-up.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

## KONRAD RAYNES & VICTOR, LLP

315 S. Beverly Drive, Suite 210  
Beverly Hills, California 90212

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### FAX COVER SHEET

## PLEASE DELIVER THIS FACSIMILE TO EXAMINER MOHAMMAD ALI

TO: Commissioner for Patents  
Attn: Examiner Mohammad Ali  
Group Art Unit 2166  
Patent Examining Corps  
Facsimile Center  
Alexandria, VA 22313

FROM: Janaki K. Davda

OUR REF: 0056.0018  
TELEPHONE: 310-556-7983

Total pages, including cover letter: 15

**PTO FAX NUMBER 1-571-273-4105**

If you do NOT receive all of the pages, please telephone us at 310/556-7983, or fax us at 310/556-7984.

Description of Documents Transmitted: INFORMAL/DRAFT COMMUNICATION- DO  
NOT ENTER INTO PROSECUTION  
RECORD: PROPOSED AGENDA FOR  
INTERVIEW

Applicant: M.F. FONTOURA et al.  
Serial No.: 10/764,771  
Filed: January 26, 2004  
Group Art Unit: 2166  
Docket No.: SVL920030116US1

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on  
September 29, 2006

By:   
Name: Janaki K. Davda

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	M.F. FONTOURA et al.	Examiner	Mohammad Ali
Serial No.	10/764,771	Group Art Unit	2166
Filed	January 26, 2004	Docket No.	SVL920030116US1
TITLE	METHOD, SYSTEM, AND PROGRAM FOR HANDLING REDIRECTS IN A SEARCH ENGINE		

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## CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being transmitted by facsimile to Mohammad Ali of the U.S. Patent and Trademark Office at 1-571-273-4105 on September 29, 2006.

  
Janaki K. Davda

**INFORMAL/DRAFT COMMUNICATION -**  
**DO NOT ENTER INTO PROSECUTION RECORD:**  
**PROPOSED AGENDA FOR INTERVIEW**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Examiner:

This agenda is being submitted prior to a telephone interview.

The tentative participants are Examiner Ali and Janaki K. Davda.

The proposed date of Interview is Wednesday, October 4, 2006. The proposed time is 2:00 p.m. (EST).

A telephone interview is requested.

No exhibit will be shown.

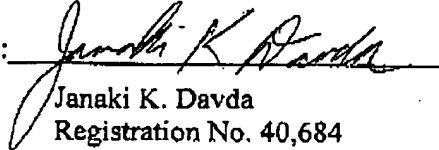
Dated September 29, 2006

Serial No. 10/764,771  
Docket No. SVL920030116US1  
Firm No. 0056.0018

Applicants would like to discuss the claims as amended in the amendment filed on September 29, 2006, a copy of which is attached.

Dated: September 29, 2006

By:

  
Janaki K. Davda  
Registration No. 40,684

Please direct all correspondences to:

Janaki K. Davda  
Konrad Raynes & Victor, LLP  
315 South Beverly Drive, Ste. 210  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	M.F. FONTOURA et al.	Examiner	Mohammad Ali
Serial No.	10/764,771	Group Art Unit	2166
Filed	January 26, 2004	Docket No.	SVL920030116US1
TITLE	METHOD, SYSTEM, AND PROGRAM FOR HANDLING REDIRECTS IN A SEARCH ENGINE		

**CERTIFICATE UNDER 37 CFR 1.8:**

I hereby certify that this correspondence is being transmitted through the USPTO EFS-Web system over the Internet to Mohammad Ali of the U.S. Patent and Trademark Office on September 29, 2006.

/Janaki K. Davda/  
Janaki K. Davda

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Amendments to the Specification begin on page 2.

Amendments to the Claims are reflected in the listing of claims which begins on page 3.

Remarks/Arguments begin on page 9.

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Reply to Office action of June 30, 2006

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**Amendments to the Specification**

Please replace paragraph 28 on page 8, with the following rewritten paragraph:

[0028] In block 214, the search engine 130 determines whether ~~duplication~~ duplicate detection is to be performed. If so, processing continues to block 216, otherwise, processing continues to block 218. In block 216, the duplicate detection component 138 detects duplicate documents in different redirect chains and merges the redirect chains. In certain implementations, the duplicate detection component 138 uses a content-based duplicate detection technique that uses information about the documents in the redirect chain (i.e., the equivalence class) in the "union find" data structure. In certain embodiments, two documents may be considered to be duplicates if they are similar (e.g., more than some percentage (e.g., 90%) of their content is the same). For example, if a first and second document are considered equivalent by content, and if a third document redirects to the first document and a fourth document redirects to the second document, the redirect component 136 concludes that the first, second, third, and fourth documents are equivalent. Additionally, if a redirect chain has a first document and another redirect chain has a second document, and if the first document and second document are duplicates based on content, the redirect chains containing the first and second documents are merged to form one redirect chain.

Please replace paragraph 33 on page 9, with the following rewritten paragraph:

[0033] In certain implementations, paths of each document in the equivalence class may also be propagated to the selected representative for global analysis, which is described further in United States Patent Application No. [[xx/xxx,xxx]] 10/764,772, entitled "A PIPELINED ARCHITECTURE FOR GLOBAL ANALYSIS AND INDEX BUILDING," by Marcus F. Fontoura et al., Docket No. SVL920030120US1, filed on the same date herewith, and which is incorporated by reference herein in its entirety.



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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Currently Amended) A method for handling redirects in documents, comprising:  
forming at least one equivalence class that includes documents that are connected through a redirect;  
detecting cycles for each equivalence class, wherein documents in a cycle are marked so that they are not indexed;  
detecting incomplete chains for each equivalence class, wherein documents in an incomplete chain are marked so that they are not indexed; and  
selecting a representative for each equivalence class whose documents are to be indexed, wherein the representative is associated with a path that indicates a location of a document in a data store.
2. (Original) The method of claim 1, wherein the representative is selected based on a type of redirect in an equivalence class.
3. (Original) The method of claim 1, wherein the representative is selected based on a rank of each document in the equivalence class.
4. (Original) The method of claim 1, further comprising:  
locating each document that contains a redirect; and  
creating an entry in a redirect file for each document.
5. (Original) The method of claim 4, wherein the entry includes a source path, a target path, and a redirect type.
6. (Original) The method of claim 1, further comprising:  
detecting duplicate documents in two different equivalence classes; and  
merging the equivalence classes.

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7. (Original) The method of claim 6, wherein documents are duplicates if a certain portion of their content is similar.

8. (Original) The method of claim 1, wherein the documents in the at least one equivalence class include a target document and one or more source documents and wherein the selected representative is one of the source documents, further comprising:  
propagating the content of the target document to the selected representative.

9. (Original) The method of claim 1, wherein the documents in the at least one equivalence class include a target document and one or more source documents, and wherein at least one source document includes a path to the target document.

10. (Original) The method of claim 9, further comprising:  
indexing the content of the target document with a path of the representative.

11. (Original) The method of claim 1, wherein marking documents so that they are not indexed includes marking documents to indicate the documents are to be ignored.

12. (Original) The method of claim 1, further comprising:  
determining a rank for each of the documents, wherein the rank represents an importance of each document relative to the other documents.

13. (Currently Amended) An article of manufacture comprising one of hardware logic and a computer readable medium including a program for handling redirects in documents, wherein the hardware logic or program causes operations to be performed, the operations comprising:

forming at least one equivalence class that includes documents that are connected through a redirect;

detecting cycles for each equivalence class, wherein documents in a cycle are marked so that they are not indexed;

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detecting incomplete chains for each equivalence class, wherein documents in an incomplete chain are marked so that they are not indexed; and  
selecting a representative for each equivalence class whose documents are to be indexed, wherein the representative is associated with a path that indicates a location of a document in a data store.

14. (Original) The article of manufacture of claim 13, wherein the representative is selected based on a type of redirect in an equivalence class.

15. (Original) The article of manufacture of claim 13, wherein the representative is selected based on a rank of each document in the equivalence class.

16. (Original) The article of manufacture of claim 13, wherein the operations further comprise:

locating each document that contains a redirect; and  
creating an entry in a redirect file for each document.

17. (Original) The article of manufacture of claim 16, wherein the entry includes a source path, a target path, and a redirect type.

18. (Original) The article of manufacture of claim 13, wherein the operations further comprise:

detecting duplicate documents in two different equivalence classes; and  
merging the equivalence classes.

19. (Original) The article of manufacture of claim 18, wherein documents are duplicates if a certain portion of their content is similar.

20. (Original) The article of manufacture of claim 13, wherein the documents in the at least one equivalence class include a target document and one or more source documents and

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wherein the selected representative is one of the source documents, wherein the operations further comprise:

propagating the content of the target document to the selected representative.

21. (Original) The article of manufacture of claim 13, wherein the documents in the at least one equivalence class include a target document and one or more source documents, and wherein at least one source document includes a path to the target document.

22. (Original) The article of manufacture of claim 21, wherein the operations further comprise:

indexing the content of the target document with a path of the representative.

23. (Original) The article of manufacture of claim 13, wherein the operations for marking documents so that they are not indexed include operations for marking documents to indicate the documents are to be ignored.

24. (Original) The article of manufacture of claim 13, wherein the operations further comprise:

determining a rank for each of the documents, wherein the rank represents an importance of each document relative to the other documents.

25. (Currently Amended) A computer system including logic for handling redirects in documents, comprising:

forming at least one equivalence class that includes documents that are connected through a redirect;

detecting cycles for each equivalence class, wherein documents in a cycle are marked so that they are not indexed;

detecting incomplete chains for each equivalence class, wherein documents in an incomplete chain are marked so that they are not indexed; and

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selecting a representative for each equivalence class whose documents are to be indexed, wherein the representative is associated with a path that indicates a location of a document in a data store.

26. (Original) The computer system of claim 25, wherein the representative is selected based on a type of redirect in an equivalence class.

27. (Original) The computer system of claim 25, wherein the representative is selected based on a rank of each document in the equivalence class.

28. (Original) The computer system of claim 25, wherein the logic further comprises: locating each document that contains a redirect; and creating an entry in a redirect file for each document.

29. (Original) The computer system of claim 28, wherein the entry includes a source path, a target path, and a redirect type.

30. (Original) The computer system of claim 25, wherein the logic further comprises: detecting duplicate documents in two different equivalence classes; and merging the equivalence classes.

31. (Original) The computer system of claim 30, wherein documents are duplicates if a certain portion of their content is similar.

32. (Original) The computer system of claim 31, wherein the documents in the at least one equivalence class include a target document and one or more source documents and wherein the selected representative is one of the source documents, wherein the logic further comprises: propagating the content of the target document to the selected representative.

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33. (Original) The computer system of claim 25, wherein the documents in the at least one equivalence class include a target document and one or more source documents, and wherein at least one source document includes a path to the target document.

34. (Original) The computer system of claim 33, wherein the logic further comprises: indexing the content of the target document with a path of the representative.

35. (Original) The computer system of claim 25, wherein marking documents so that they are not indexed includes marking documents to indicate the documents are to be ignored.

36. (Original) The computer system of claim 25, wherein the logic further comprises: determining a rank for each of the documents, wherein the rank represents an importance of each document relative to the other documents.

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#### REMARKS/ARGUMENTS

Claims 1-36 are pending in the application. Claim 1, 13, and 25 have been amended. Reconsideration is respectfully requested. Applicant submits that the pending claims 1-36 are patentable over the art of record and allowance is respectfully requested of claims 1-36.

Paragraph 33 of the Specification is objected to as missing an application number. Applicants are amending the Specification to provide the application number and to overcome the objection.

Claims 1-36 are rejected under 35 U.S.C. 101. Applicants respectfully traverse, but, in order to expedite prosecution, Applicants have amended the claims.

In particular, claims 1-36 are rejected as being directed to non-statutory subject matter because they do not produce a tangible result. Applicants have amended claims 1, 13, and 25 to indicate that the representative is associated with a path that indicates a location of a document in a data store (e.g., Specification, page 3, paragraph 10; page 4, paragraph 15; page 5, paragraph 18; page 7, paragraph 25).

Claims 13-24 are rejected as being directed to non-statutory subject matter. Applicants have amended claim 21 to an article of manufacture comprising one of hardware logic and a computer readable medium including a program for handling redirects in documents, wherein the hardware logic or program causes operations to be performed. For example, the Specification, on page 19, paragraph 65 states:

The term "article of manufacture" as used herein refers to code or logic implemented in hardware logic (e.g., an integrated circuit chip, Programmable Gate Array (PGA), Application Specific Integrated Circuit (ASIC), etc.) or a computer readable medium, such as magnetic storage medium (e.g., hard disk drives, floppy disks, tape, etc.), optical storage (CD-ROMs, optical disks, etc.), volatile and non-volatile memory devices (e.g., EEPROMs, ROMs, PROMs, RAMs, DRAMs, SRAMs, firmware, programmable logic, etc.). Code in the computer readable medium is accessed and executed by a processor.

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Claims 1-36 are rejected under 35 U.S.C. 102(a) as being anticipated by Lim et al.  
"Dynamic Maintenance of Web Indexes Using Landmarks". Applicants respectfully traverse.

The Lim reference is directed to studying the problem of keeping inverted indexes up-to-date (Introduction). On the other hand, claims 1, 13, and 25 are directed to handling redirects in documents. For example, paragraph 5 on page 1 of the Specification describes:

Some Web pages do not contain content, but, instead, contain a "redirect" to another Web page. For example, if a given Web page A (i.e., a source) redirects to another Web page B (i.e., a target), the Web browser shows Web page B whenever a request for Web page A is received.

Additionally, claims 1, 13, and 25 describe forming at least one equivalence class that includes documents that are connected through a redirect. For example, paragraph 21 on page 6 of the Specification describes:

Initially, each document is in its own equivalence class. Then, for each entry in the redirect file, if a first document redirects to a second document, the equivalence classes of the first and second documents are unified. Continuing with this processing, if the second document redirects to a third document, then the third document is in the same equivalence class as the first and second documents. The redirect component 136, thus, processes the entries in the redirect file to identify redirect chains in the form of equivalence classes.

The Lim reference in section 1 describes inverted indexes. There is no description of redirects or of forming at least one equivalence class that includes documents that are connected through a redirect.

Moreover, claims 1, 13, and 25 also describe detecting cycles for each equivalence class, wherein documents in a cycle are marked so that they are not indexed. For example, paragraph 22 on page 6 of the Specification describes:

For example, a cycle occurs when a first document redirects to a second document, which redirects to a third document, which redirects back to the first document. Once the redirect chains are identified, the redirect component 136 performs cycle detection. In particular, cycle detection analyzes each redirect chain, looking for cycles. If a cycle is detected in a redirect chain, the redirect component 136 marks the documents involved in that redirect chain with a "do not index" indicator (e.g., flag), which indicates to the



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indexing component 142 that these documents are invalid documents that should not be indexed.

The Lim reference in Section 2.1, Forward Index Update, describes a forward index that stores the words that occur in a document and the positions of each occurrence. There is no description of detecting cycles for each equivalence class, wherein documents in a cycle are marked so that they are not indexed.

Also, claims 1, 13, and 26 describe detecting incomplete chains for each equivalence class, wherein documents in an incomplete chain are marked so that they are not indexed. For example, paragraph 23 on pages 6-7 of the Specification describes:

An example of an incomplete chain occurs when the documents in a single redirect chain are redirects,  $R1 \rightarrow R2 \rightarrow \dots \rightarrow Rn$ , where  $Rn$  is a redirect to a document that was not discovered, fetched, and stored by the crawler component 132 (i.e., "crawled"). This redirect chain is considered incomplete because there is no content associated with  $Rn$  (because it was not "crawled"). The redirect component 136 marks documents in the incomplete redirect chain with a "do not index" indicator.

The Lim reference in section 4, Experimental Evaluation, describes measuring the number of inverted index update operations generated by the landmark-diff method and compare it with that of the forward index method. There is no description of detecting incomplete chains for each equivalence class, wherein documents in an incomplete chain are marked so that they are not indexed.

Furthermore, claims 1, 13, and 26 describe selecting a representative for each equivalence class whose documents are to be indexed, wherein the representative is associated with a path that indicates a location of a document in a data store. For example, paragraph 25 on page 7 of the Specification describes:

In certain implementations, the redirect component 136 selects a representative for each redirect chain (e.g., equivalence class) whose documents have not been marked with a "do not index" indicator. In certain implementations, the representative is a path (e.g., a URL) with which the content of the final target document in the chain is indexed.

The Lim application in section 4, Landmark Policy and Block Size, describes fixed size partitioning. There is no description of selecting a representative for each equivalence class

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whose documents are to be indexed, wherein the representative is associated with a path that indicates a location of a document in a data store.

Also, the subject matter of claims 1, 13, and 25 occurs before an Index is created (e.g., Specification, pages 4-9, paragraphs 15-32; FIGs. 2A and 2B), while the Lim reference is directed to studying updates to the index. Therefore, Applicants respectfully submit that the Lim reference does not anticipate claims 1, 13, and 25.

Dependent claims 2-12, 14-24, and 26-36 incorporate the language of independent claims 1, 13, and 25 and add additional novel elements. Therefore, dependent claims 2-12, 14-24, and 26-36 are not anticipated by the Lim reference for at least the same reasons as were discussed with respect to claims 1, 13, and 25.

#### Conclusion

For all the above reasons, Applicant submits that the pending claims 1-36 are patentable over the art of record. Applicants have not added any claims. Nonetheless, should any additional fees be required, please charge Deposit Account No. 09-0460.

The attorney of record invites the Examiner to contact her at (310) 553-7973 if the Examiner believes such contact would advance the prosecution of the case.

Dated: September 29, 2006

By:       /Janaki K. Davda/      

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